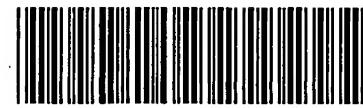


03CD

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/021,818

DATE: 08/12/2002

TIME: 15:12:02

Input Set : A:\seq list.ST25.txt

Output Set: N:\CRF4\08122002\J021818.raw

3 <110> APPLICANT: Davis, Ronald W.
 4 Vaillancourt, Peter
 6 <120> TITLE OF INVENTION: Dimeric Fluorescent Polypeptides
 8 <130> FILE REFERENCE: 25436/1652
 10 <140> CURRENT APPLICATION NUMBER: US 10/021,818
 C--> 11 <141> CURRENT FILING DATE: 2002-08-06
 13 <150> PRIOR APPLICATION NUMBER: US 60/256,121
 14 <151> PRIOR FILING DATE: 2000-12-15
 16 <160> NUMBER OF SEQ ID NOS: 8
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 720
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Renilla reniformis
 25 <400> SEQUENCE: 1
 26 atggtagta aacaaatatt gaagaacact ggattgcagg agatcatgtc gtttaaagtg 60
 28 aatcttgaag gtgttagtaaa caatcatgtg ttcacaatgg aagggtgtgg aaaaggaaat 120
 30 attttattcg gaaaccact gttcagatt cgtgtcacaa aagggttccc gttccattt 180
 32 gcatttataca ttctctcacc agctttccaa tacggcaacc gtacattcac gaaatacccg 240
 34 gaggatatat cagactttt tatacaatca tttccagcgg gatttgtata cgaaagaacg 300
 36 ttgcgttacg aagatgtgg actgggtgaa atccgtttagt atataaattt aatcgaggag 360
 38 atgtttgtct acagagtggaa atataaagggt agtaacttcc cgaatgtatgg tccagtgtatg 420
 40 aagaagacaa tcacaggatt acaaccttcg ttcgaagttt tgatatgaa cgatggcgtc 480
 42 ttggttggcc aagtctttt tggatataga ttaaactctg gcaaattttt ttcgtgtcac 540
 44 atgagaacac tgatgaaatc aaagggtgtaa gtgaaggatt ttcccgaaata ccatttcatt 600
 46 caacatcggt tagagaagac tgatgtggaa gacggagggt ttgttgagca acacgagacg 660
 48 gccattgctc aactgacatc gctggggaaa ccacttggat ctttacacga atgggtttaa 720
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 238
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Renilla reniformis
 56 <400> SEQUENCE: 2
 58 Met Ser Lys Gln Ile Leu Lys Asn Thr Gly Leu Gln Glu Ile Met Ser
 59 1 5 10 15
 62 Phe Lys Val Asn Leu Glu Gly Val Val Asn Asn His Val Phe Thr Met
 63 20 25 30
 66 Glu Gly Cys Gly Lys Gly Asn Ile Leu Phe Gly Asn Gln Leu Val Gln
 67 35 40 45
 70 Ile Arg Val Thr Lys Gly Val Pro Leu Pro Phe Ala Phe Asp Ile Leu
 71 50 55 60
 74 Ser Pro Ala Phe Gln Tyr Gly Asn Arg Thr Phe Thr Lys Tyr Pro Glu
 75 65 70 75 80
 78 Asp Ile Ser Asp Phe Phe Ile Gln Ser Phe Pro Ala Gly Phe Val Tyr

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TIME: 15:12:02

Input Set : A:\seq list.ST25.txt
Output Set: N:\CRF4\08122002\J021818.raw

79	85	90	95
82	Glu Arg Thr Leu Arg Tyr Glu Asp Gly Gly Leu Val Glu Ile Arg Ser		
83	100	105	110
86	Asp Ile Asn Leu Ile Glu Glu Met Phe Val Tyr Arg Val Glu Tyr Lys		
87	115	120	125
90	Gly Ser Asn Phe Pro Asn Asp Gly Pro Val Met Lys Lys Thr Ile Thr		
91	130	135	140
94	Gly Leu Gln Pro Ser Phe Glu Val Val Tyr Met Asn Asp Gly Val Leu		
95	145	150	155
98	160	165	170
99	175	180	185
102	190	195	200
103	205	210	215
106	220	225	230
110	235	240	245
114	250	255	260
115	265	270	275
118	280	285	290
119	295	300	305
120	310	315	320
121	325	330	335
122	340	345	350
123	355	360	365
124	370	375	380
125	385	390	395
126	400	405	410
127	415	420	425
128	430	435	440
129	445	450	455
130	460	465	470
131	475	480	485
132	490	495	500
133	505	510	515
134	520	525	530
135	535	540	545
136	550	555	560
137	565	570	575
138	580	585	590
139	595	600	605
140	610	615	620
141	625	630	635
142	640	645	650
143	655	660	665
144	670	675	680
145	685	690	695
146	700	705	710
147	715	720	725
148	730	735	740
149	745	750	755
150	760	765	770
151	775	780	785
152	790	795	800
153	805	810	815
154	820	825	830
155	835	840	845
156	850	855	860
157	865	870	875
158	880	885	890
159	895	900	905
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162	940	945	950
163	955	960	965
164	970	975	980
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/021,818

DATE: 08/12/2002

TIME: 15:12:02

Input Set : A:\seq list.ST25.txt
Output Set: N:\CRF4\08122002\J021818.raw

168 Ser Phe Lys Val Asn Leu Glu Gly Val Val Asn Asn His Val Phe Thr
169 20 25 30
172 Met Glu Gly Cys Gly Lys Gly Asn Ile Leu Phe Gly Asn Gln Leu Val
173 35 40 45
176 Gln Ile Arg Val Thr Lys Gly Ala Pro Leu Pro Phe Ala Phe Asp Ile
177 50 55 60
180 Leu Ser Pro Ala Phe Gln Tyr Gly Asn Arg Thr Phe Thr Lys Tyr Pro
181 65 70 75 80
184 Glu Asp Ile Ser Asp Phe Phe Ile Gln Ser Phe Pro Ala Gly Phe Val
185 85 90 95
188 Thr Glu Arg Thr Leu Arg Tyr Glu Asp Gly Gly Leu Val Glu Ile Arg
189 100 105 110
192 Ser Asp Ile Asn Leu Ile Glu Glu Met Phe Val Tyr Arg Val Glu Tyr
193 115 120 125
196 Lys Gly Ser Asn Phe Pro Asn Asp Gly Pro Val Met Lys Lys Thr Ile
197 130 135 140
200 Thr Gly Leu Gln Pro Ser Phe Glu Val Val Tyr Met Asn Asp Gly Val
201 145 150 155 160
204 Leu Val Gly Gln Val Ile Leu Val Tyr Arg Leu Asn Ser Gly Lys Phe
205 165 170 175
208 Tyr Ser Cys His Met Arg Thr Leu Met Lys Ser Lys Gly Val Val Lys
209 180 185 190
212 Asp Phe Pro Glu Tyr His Phe Ile Gln His Arg Leu Glu Lys Thr Tyr
213 195 200 205
216 Val Glu Asp Gly Gly Phe Val Glu Gln His Glu Thr Ala Ile Ala Gln
217 210 215 220
220 Leu Thr Ser Leu Gly Lys Pro Leu Gly Ser Leu His Glu Trp Val
221 225 230 235
224 <210> SEQ ID NO: 5
225 <211> LENGTH: 10
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetic peptide linker sequence
232 <400> SEQUENCE: 5
234 Gly Gly Gly Ser Gly Gly Gly Ser
235 1 5 10
238 <210> SEQ ID NO: 6
239 <211> LENGTH: 15
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Synthetic linker peptide
246 <400> SEQUENCE: 6
248 Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
249 1 5 10 15
252 <210> SEQ ID NO: 7
253 <211> LENGTH: 20
254 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 08/12/2002

PATENT APPLICATION: US/10/021,818

TIME: 15:12:02

Input Set : A:\seq list.ST25.txt
Output Set: N:\CRF4\08122002\J021818.raw

255 <213> ORGANISM: Artificial sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Synthetic linker peptide
260 <400> SEQUENCE: 7
262 Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly
263 1 5 10 15
266 Gly Gly Gly Ser
267 20
270 <210> SEQ ID NO: 8
271 <211> LENGTH: 11
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Synthetic linker peptide
278 <400> SEQUENCE: 8
280 Arg Ala Arg Asp Pro Arg Val Pro Val Ala Thr
281 1 5 10

VERIFICATION SUMMARY DATE: 08/12/2002
PATENT APPLICATION: US/10/021,818 TIME: 15:12:03

Input Set : A:\seq list.ST25.txt
Output Set: N:\CRF4\08122002\J021818.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date